

Serial No. 09/282,425

## ABSTRACT

An apparatus for calculating immunity from a radiated electromagnetic field which makes possible high-speed simulation of the electric current flowing through ~~and~~ an electronic apparatus due to a radio wave radiated from an antenna, and a method and a storage medium storing programs used for the same, which divides a radio wave radiated from an antenna into a carrier wave, upper sideband wave, and lower sideband wave, and uses the moment method to simulate the effect of the radio wave on ~~and~~ an electronic apparatus by ~~captivating~~ calculating the mutual impedance for one frequency component out of the above three frequency components and using that mutual impedance to solve the simultaneous equations under the moment method so as to calculate the electric current flowing through the electronic apparatus.

## CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being transmitted via facsimile to: Commissioner for Patents,  
P.O. Box 1460, Alexandria, VA 22313-1450

on 8/5/2004, 2004

STAAS & HALSEY

By: David M. Anderson

Date: 8/5/2004